

FIG. 1

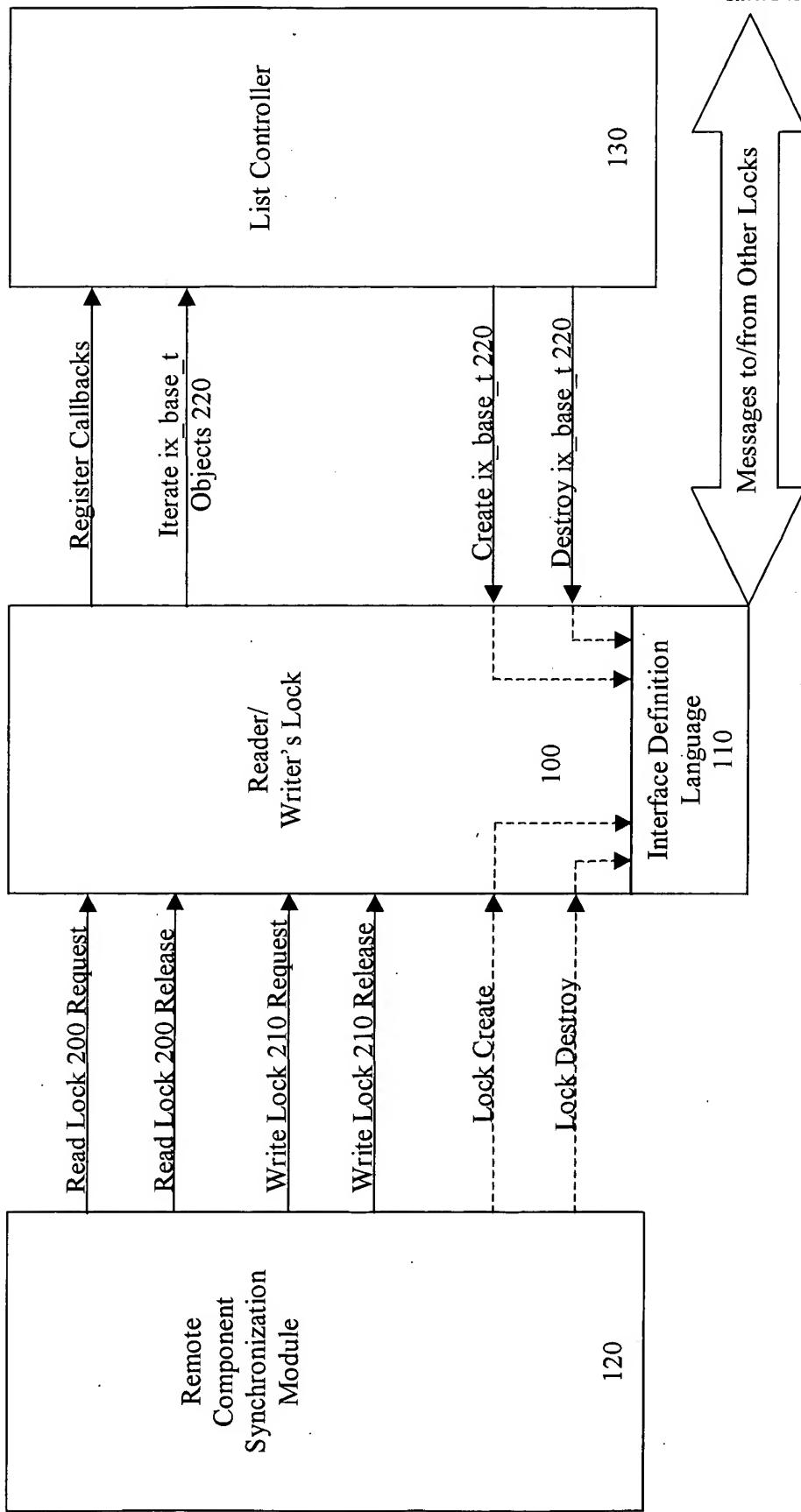


FIG. 2

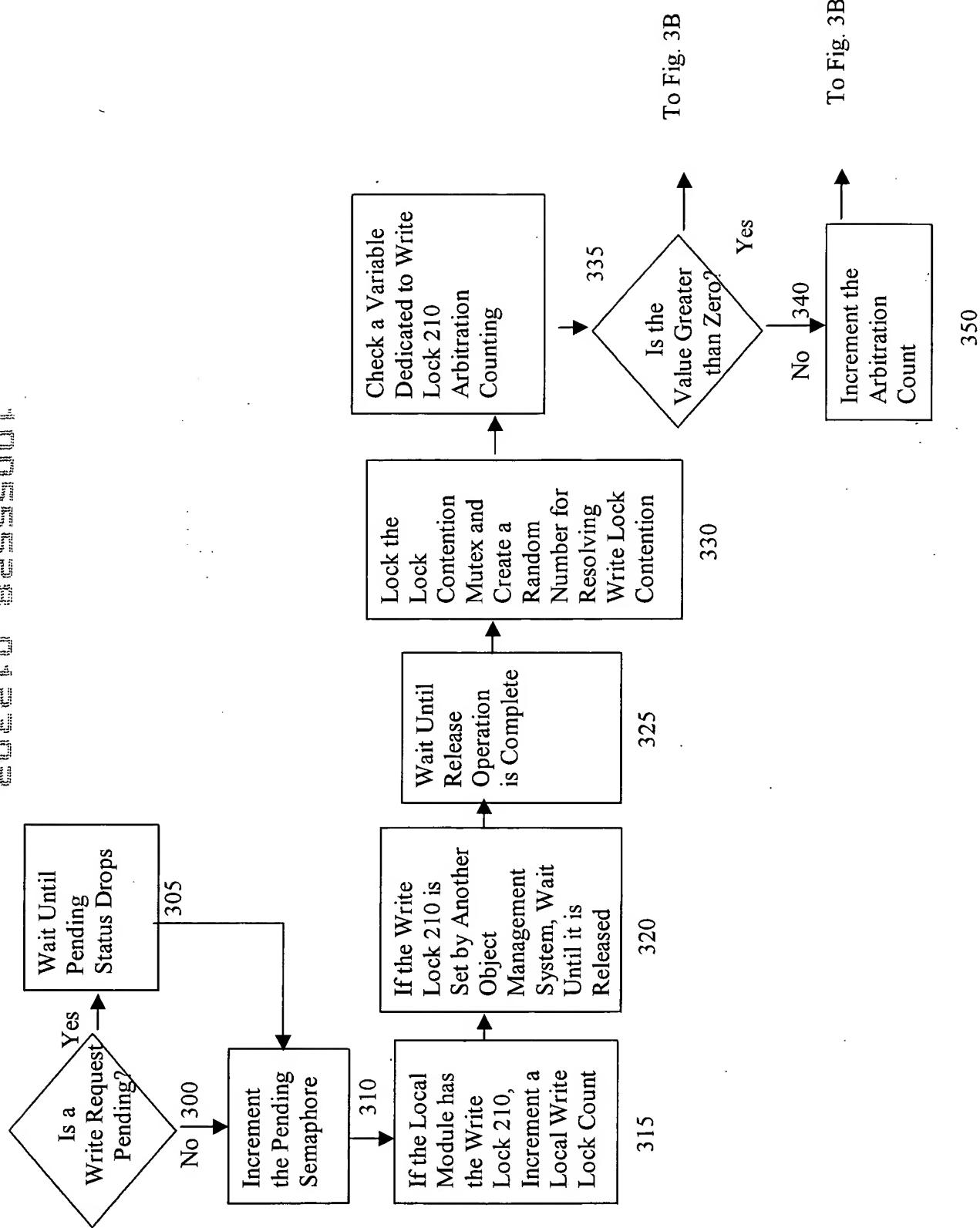


FIG. 3A

From
Fig. 3A

Release the Lock
Contention Mutex
and Return to
Step 320

345

From
Fig. 3A

Set the Lock's
Arbitration
Identification to
the Local Object
Management
System and Set
its Priority by
Generating a
Bound Random
Number

Release the
Lock
Contention
Mutex

360

355

Make a
Write Lock
210
Request to
the Remote
Reader and
Writer's
Lock

365

No

Did the
Request
Fail?

Yes 370

Decrease the
Local Write Lock

375

Repeat from Step
320

385

380

FIG. 3B

Once All
Remote
Modules
Have
Provided the
Write Lock
210, Return
Without
Setting the
Write Lock
210 in the
Lock
Component

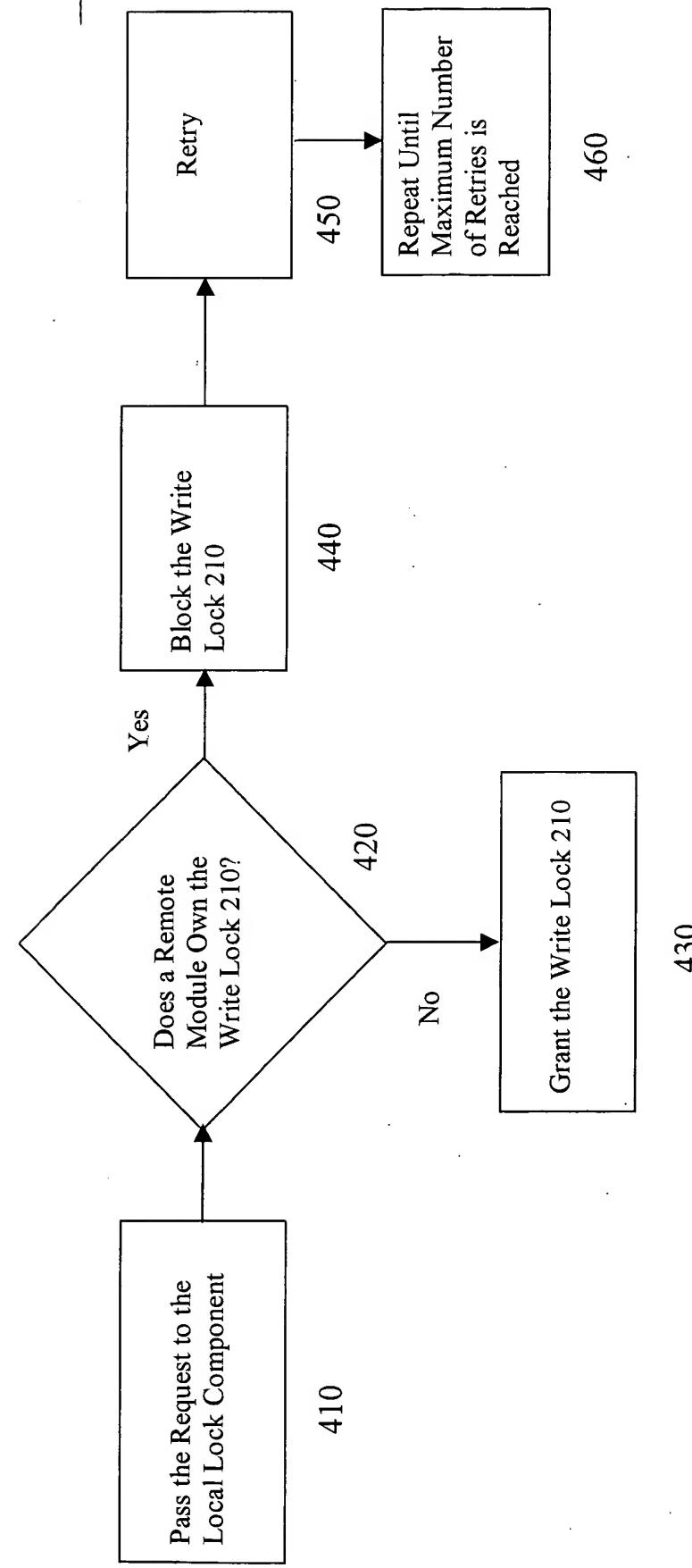


FIG. 4

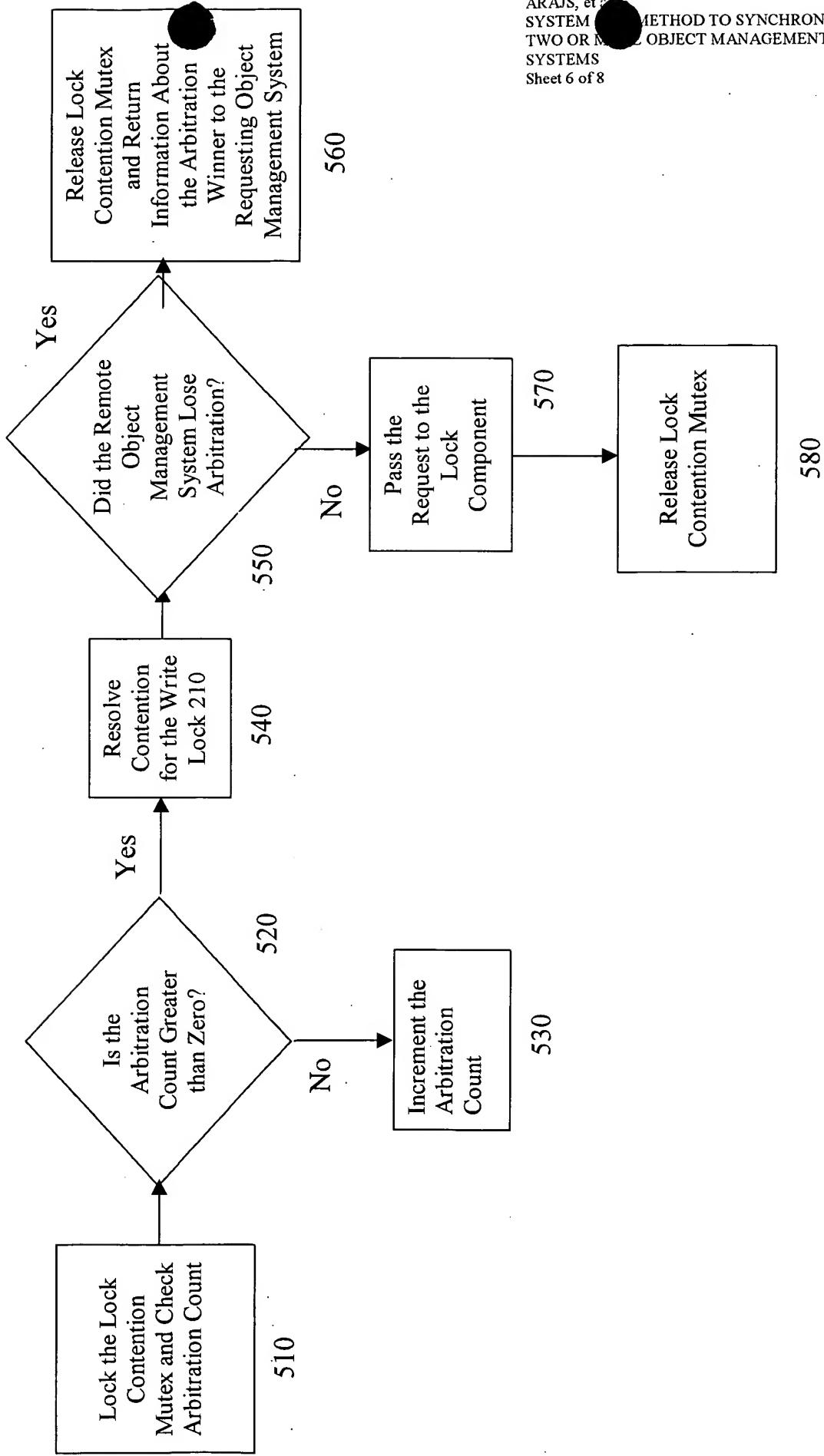


FIG. 5

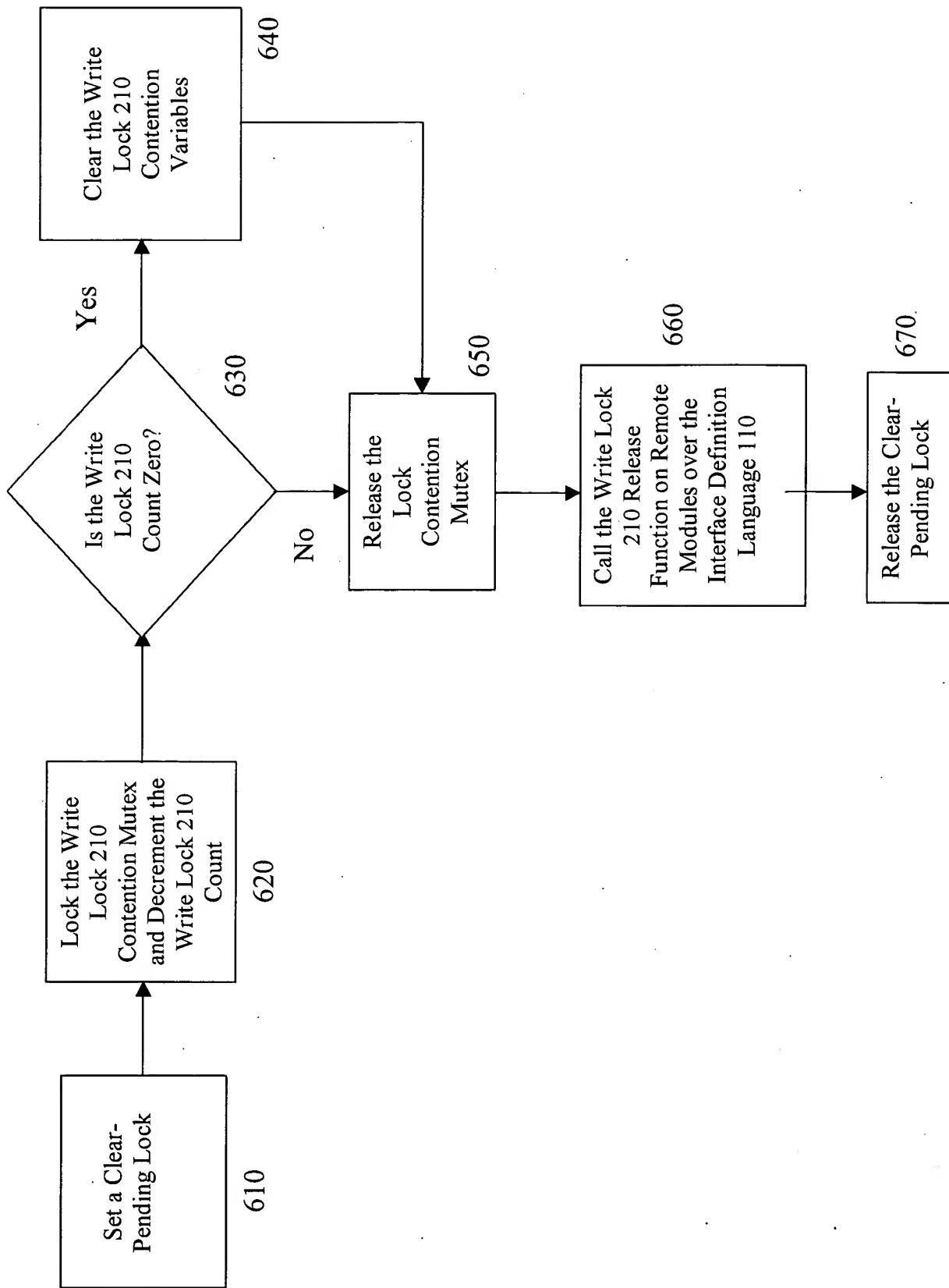


FIG. 6

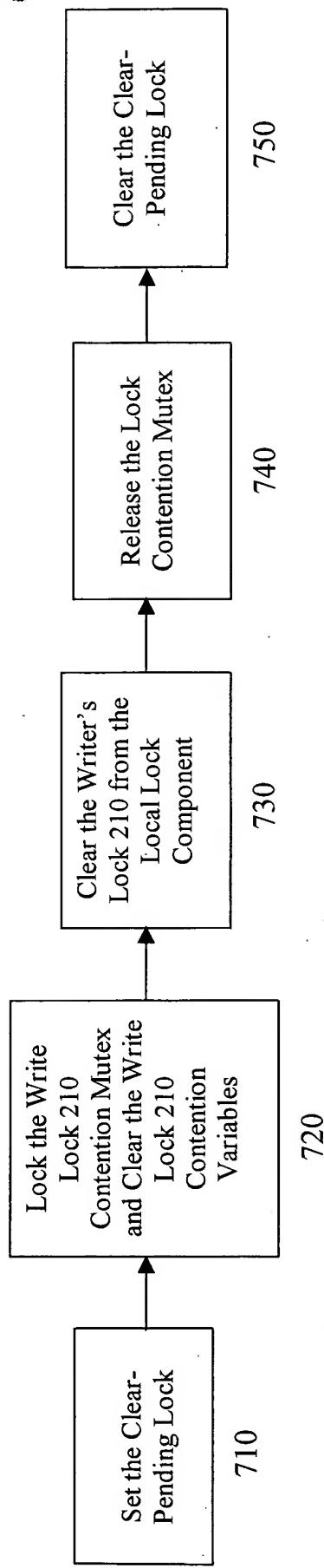


FIG. 7